

A.N.A.R.T.S. News Bulletin 1402 for 25th of June 2006

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

Items in this broadcast include

1. Cols column
2. IPS REPORT
3. VK2SG RTTY DX report
4. OPDX News
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Col's Column

Contest update: We have about 310 logs received already by E-mail.

All logs have been saved to hard disc and a CD.

I have completely processed just on 100 logs and they have been sorted into order of highest score so far.

I have had some problem logs this year, logs completely out of the required format. I have tried with some success to correct these logs, but one or two are too long to spend precious time on. I have sent the testers concerned an E-mail pointing the way, but It may be that we shall have to discard these logs unless the testers concerned fix them up.

Will keep you informed from time to time.

Propagation of Radio Waves.

Maximum Usable Frequency continued.

When communications are carried out over a fixed distance, it is possible for the radio waves to travel via any one of the ionised layers which may be present at that time, the actual path taken being dependent on frequency layer conditions, angle of incidence, etc..

For each layer, assuming a constant angle of incidence of the wave to that layer, there is a maximum frequency which can be used for transmission via the layers from one fixed point to another. Frequencies above this maximum will skip over the receiving point.

The maximum frequency for each layer is related to the critical frequency of the layer and to the angle of incidence with which the wave enters the layer by the following formula:

Maximum Usable Frequency for any layer equals 'Critical Frequency of the layer' over the 'Cosine of the Angle of Incidence.

To determine the MUF between two points, it is necessary to calculate the maximum frequency which each layer will return to earth at the required distance from the transmitter, and then select the maximum frequency obtained by these calculations as the MUF.

An example of calculating a MUF will be placed on ANARTS web site this week, look under ANARTS Broadcasts.

More on MUF's next week.

73's Col VK2CTD.

IPS Weekly Solar and Geophysical Report 16/22nd

SUMMARY

Date	16	17	18	19	20	21	22
10cm flux	75	73	73	73	73	73	72
AFr index	7	7	6	4	2	2	3 est
Aus index	7	8	6	2	2	1	4 est
T index	23	28	22	17	13	18	19

Solar flare activity was low on 16th and very low for the rest of the week.

Geomagnetic activity observed for the Australian Region was quiet on 16th 19/22nd and quiet to unsettled on 17/18th.

Southern Australian Ionospheric F2 critical frequencies were near predicted on 16th 18th and 20th near predicted to 25 percent enhanced on 17th near predicted to 20 percent enhanced on 19th and 21st and near predicted to 35 percent enhanced on 22nd.

Forecast for 23/29th Jun

Solar activity should be low.

Geomagnetic activity should see quiet to unsettled conditions.

Frequencies should be near predicted monthly values.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES WEEK ENDING 22 JUN

Our information this week came from GU0SUP I5FLN DJ3IW UT5RP and OH2AQ's DX Summit. Thank you all.

Bandpass

Friday 16

0053-14081 VI9NI

0929-14088 TP20CE

1533-14085 TA1EE

1534-14086 DQ2006S

1538-14082 SV9/ON6MX/P

1828-14082 SU9FL

1925-14081 4L4KK
1932-14082 DR2006K
1935-14088 CN8YZ
2021-14089 SV9CJO
2031-14080 9Z4FZ
2140-14080 CU3BL
2152-14093 SV9CVY
2200-14080 HK4QMH
2215-14086 EA6BH
2238-14087 TF3HP

Saturday 17

0050-14082 BW3/JD1BKQ
0644- 3584 DR2006K
0650- 7038 DR2006K
0801-28125 TP20CE
0821-18100 TP20CE
0952-14085 TP20CE
1047-24921 UA2FCT
1149-14087 EA9AK
1450-14089 4Z5AV
1455-14082 EA6/I1RSA
1537-14077 IM0/IS0BRQ
1551-14085 TI8CBT
1744-14084 5Z2ES
1924-14084 EA8AG
1940-14085 BD7KLO
2047-14084 CE6ABC
2127-14079 VI9NI
2259-18102 VI9NI
2306-14083 UN8PIM
2341-24921 VI9NI
2357-10135 VI9NI

Sunday 18

0002-18103 VI9NI
0421-10136 VI9NI
0928-21080 FR5AB
1040-14089 EC8AUZ
1652-14083 BD7KLO
1717-14081 4Z5NF
2109-14085 TF3IGN
2206-14081 9Z4FZ
2218-14080 TI8CBT

Monday 19

1031-14086 EA9AK
1136-14084 BD7KLO
1206-14084 UN8LF
1405-14085 5B4ABP
1521-14084 4S7AB
1535-14083 EA6/I1RSA
1551-14087 DR2006K
1632-14085 DR20060
1804-14084 JW0HZ
1951-14085 0X3DB
2008-14086 HK3SGP
2127-14070 HH/PS7EB
2228-14085 0X3WS

Tuesday 20

0822-14084 5B4ABP
1106-14083 TF3GC

1148-14084 BD7KLO
1548-14088 E21YDP
1625-14082 5Z4ES
1755-14079 TR8CA
1822-14090 JW4GHA
1823-14083 XU7ABN
1945-14091 SV9CJO
2014-14087 FG5FI
2015-14082 KP4AH
2045-14086 OX3WS
2057-10144 7X0RY
2154-14082 HK6DOS
2134-14086 TI8CBT
2147-10141 7X0RY
2212-14084 HR2/LU1DY
2228-14085 JW0HZ

Wednesday 21

0951-18105 7X0RY
1001-24921 7X0RY
1047-14082 BW3/JD1BKQ
1108-14083 8N3Y
1220-14086 5B4ABP
1253-14082 TI8CBT
1351-14087 VR2XMT
1446-14086 EK6TA
1509-14083 DS4DBF
1553-14082 TA1EE
1734-14085 EX2M
1826-14082 OX3DB
1837-14081 EC8KK
1907-14085 UN8PIM
2002-14080 3XM6JR
2012-14086 OX3WS
2155-14085 SV9CJO
2200-14087 CN8YZ
2206-14081 CT3EN

Thursday 22

0139-14087 EK6TA
0211-14084 EU8RZ
1202-14086 CN8YZ
1357-18102 TR8CA
1434-14089 5B4ABP
1536-14086 EX2M
1713-14083 3XM6JR
1734-14086 8Q7GE
1757-14088 4Z5AV
1902-14089 TR8CA
1910-14082 9M2MT
1950-14080 3XM6JR

Notes of Interest:

Maldives, 8Q7 - Look for 8Q7GE by SV2BFN Jun 21/Jul 4. QSL via SV2BFN.

The VK2SG RTTY DX NOTES are distributed every week via the Winlink network, and are also available on the Internet at URL <http://mailman.qth.net/pipermail/vk2sg-rtty/>
For next weeks bulletin send your bandpass and notes of interest to Luciano I5FLN luciano.fusari at alice.it
GL with RTTY Don AA5AU

The Ohio/Penn DX Bulletin No. 763 - excerpts

5B, CYPRUS

Jim WB2REM will be active here as '5B/WB2REM' Jul 7/13th. Activity will be on 40-6M CW/SSB. QSL via his home callsign or by the bureau. Please include a SASE or SAE and sufficient return postage for your QSL card.

8Q, MALDIVES

Vangelis SV2BFN will be active as 8Q7/SV2BFN from Jun 21/Jul 4th. This will be a holiday style operation but he plans to be active on 40-10M SSB and RTTY with some CW. QSL via his home callsign.

9A06, CROATIA (Special Event)

Look for special event station 9A06P to be active now thru Dec 31. Operations will be on all bands and modes. Activity is to celebrate the city of Djurdjevac. The full story will be on a special QSL card. All QSOs will be confirmed automatically via the bureau.

C9, MOZAMBIQUE (Update)

A group of stateside operators will activate C91HQ as the main contest station and multiplier from Mozambique during the IARU DX Contest Jul 8-9th. The C91HQ QSLs will be handled by K5LBU Charles Frost of Missouri City, TX. The IARU Contest operation will be just one aspect of a five member team operation from Jun 27 on all bands and modes til Jul 13 at Bilene, Mozambique.

CN, MOROCCO

Rich W7ZR will be active as CN2ZR during the CQWW DX SSB Contest as a Single-Op/Single-Band 20m entry. QSL via W7ZR. He states I answer 100PERCENT of SASE QSL cards. I support ARRL Logbook Of The World. I do not answer bureau or eqsl cards.'

DU, PHILIPPINES (IOTA Ops)

Operators Chris/VK3FY and Nik/VK3FNIK will be active as VK3FY/DU8 from several Philippine Islands between Jun 20/Jul 5. Their current plans are to activate the following islands Bayangan Island (OC-235), Mindanao Island (OC-130), Cebu Island (OC-129), Negros (OC-129), Luzon (OC-042) and Mindanao's Coastal Islands (OC-235). No schedule was provided. Activity will be on all bands CW and SSB. QSL via VK3FY.

FP, ST. PIERRE and MIQUELON

YL Peg KB9LIE will be active as FP/KB9LIE from Miquelon Island (NA-032, DIF0 FP-002, WLOTA LH-1417), Jul 28/Aug 6. Activity will be 80-10m depending on conditions. QSL via her home callsign, direct preferred (SASE, SAE + sufficient postage) or by the bureau.

IOTA NEWS

AF-004. RSGB IOTA Webmaster Steve G0UIH will be active as EA8/G0UIH/P from the Isla de Fuerteventura (DIE S-006, WLOTA LH-0883) Canary Islands Jun 17/Jul 1st. Activity will be mainly on 20/17/15M SSB only, with an Icom 706mk2g with 100w and homebrew dipoles. This will be a holiday style operation so operating times will vary according to other activities. Suggested frequencies are 14260 21260 and 18145 kHz (+/-QRM). QSL is either direct or via the bureau.

EU-174. A group of Greek operators will be active as J48WT from Samothraki Island (MIA MG-100) Jun 22-27. Operators mentioned are SV2BRT SV2CLL SV2EWS SV2FPU SV2GNQ SV2HNZ SV2HPP and SV2HPY. QSL via SV2HPP direct or by the bureau.

NA-067. Jon WB8YJF will be active again this year from Ocracoke Island (USI-NC001S) from Jul 23-30. Activity will be on 80-10M CW RTTY and some SSB.

He will be a Single-Op entry in the IOTA Contest as well. Please QSL direct for a FAST QSL, Bureau takes a lot longer. WB8YJF's address is Jon Severt 5586 Babbitt Rd, New Albany, OH 43054.

J3, GRENADA

Harry/AC8G and possibly others (TBA) will be active as J3A during the CQWW DX SSB Contest (Oct 28-29) as a Multi/Multi entry. QSL via WA1S. Operating site is the EOC and adjacent Grenada Club House. Before and after the contest, operators will be using their individual callsigns on many bands and modes.

MONTENEGRO NEWS (International Festival/DXpedition 2006)

Ranko YT6A Team Leader reports 'Following a national referendum on May 21, 2006, the Republic of Montenegro declared its independence on Jun 3 Montenegros independence is now recognized by a growing number of countries. The very first amateur radio activity from this new DXCC entity will be managed by an International DXpedition Team and is planned to take part very quickly after approval of the DXCC status.' Crucial for DXCC credit is either acceptance of Montenegro by the UN into its membership or allocation of a callsign prefix block by the ITU. They expected this to take place during the summer of 2006. The expedition will be held from three different locations using only one callsign (for the very first time) from the newly acquired ITU prefix allocation to Montenegro. Also mentioned activity will be on all bands and modes simultaneously during 2-3 weeks of continual activity from several setups located at the Adriatic Coast of Mediterranean Montenegro.

SV9, CRETE (Update)

Last week we mentioned that World traveler Bert CX3AN would be operating from Crete as SV9/CX3AN from Jul 6-10 and would be joined by Theodoros SV9/SV1EJD and Fotis SV9/SV1CIG on the island. Theodoros SV1EJD contacted OPDX and informed us that he will be on Crete from Jul 6-20 and he plans to operate on SSB and possibly RTTY on 80-10M. Look for more info to appear on the following Web page at <http://www.sv1ejd.gr/crete.htm>

V2, ANTIGUA

Nobby G0VJG will be active as V25V from Jun 23/Jul 6. Activity will be on all HF bands mainly SSB but he will also try to work Europe on 6m and some digital modes. QSL via G4DFI direct or by the bureau.

VK9C, COCOS-KEELING ISLANDS (Update)

Charlie W0YG informs OPDX that he is indeed going back to VK9C in Oct. Barry/N0KV and Charlie/W0YG will be going to the island on Oct 30 for a three week stay. He hopes they will have some quality time on the lower bands without QRM. He also mentioned that Bernd VK2IA is going out to VK9C on Oct 26 to set up for the CQWW SSB Contest as VK9AA (See OPDX.756). Charlie states 'He is going to return to the mainland on Oct 30 on the same flight that we arrive. Bernd will leave his antennas set up for us as well as his station will be all set to go.' Barry and Charlie will operate right up until Nov 20 when they leave and Bernd again arrives this time for the CQWW CW Contest. They will leave the antennas all set up for him so he can hit the ground running. Charlie states that their callsign has yet to be confirmed for this activity but it will be forthcoming. All QSLs for Charlie's VK9C operations go direct, no bureau cards to W0YG.

YV70/YW9, VENEZUELA

The Radio Club Venezolano (YV5AJ) informs OPDX that they will be active from the Apure State using the callsign YW9AJ from Jun 29/Jul 5. Activity will include the 'Venezuela's Independence Day Contest' Jul 1-2 with operations on 160-6Mm on all modes. Also look for satellite activity using the special callsign YV5SAT/9 (thanks to AMSAT-YV). The GRID will be FJ67hm. QSL via YV5AJ QRZ.com address or by the bureau. Satellite QS0s go via YV5SAT QRZ.com address or by the bureau.

ADDED NOTE The Radio Club Venezolano (RCV) also mentioned that they will use the special YV70IARU callsign during the upcoming IARU Contest as a HQ

station signing RCV. The callsign celebrates the 70th anniversary of RCV's membership in the IARU. Operations will take place from various locations. QSL via YV5AJ (QRZ.com address) or by the bureau.

The Society can be contacted in the following ways
To Pat VK2JPA via patleeper at optusnet.com.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to PO Box 93 Toongabbie NSW 2146.
73's from Pat VK2JPA broadcast Officer
NNNN

end of broadcast pse standby for callbacks taken by VK2CTD...

de vk2tty sk sk